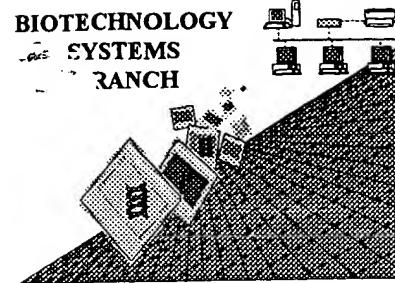


STOLE

AW SEQUENCE LISTING ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following CRF diskette:

Application Serial Number: 09/105, 117-D

Unit / Team No.: 1653

Date Processed by STIC: 08/03/1999

THE ATTACHED PRINTOUT EXPLAINS THE ERRORS DETECTED.

PLEASE BE SURE TO FORWARD THIS INFORMATION TO THE APPLICANTS
BY EITHER:

INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT
COMMUNICATION TO THE APPLICANTS ALONG WITH A NOTICE TO
COMPLY or,

CALLING APPLICANTS AND FAXING THEM A COPY OF THE PRINTOUT
WITH A NOTICE TO COMPLY

HIS WILL INSURE THAT THE NEXT SUBMISSION RECEIVED FROM THEM
WILL BE ERROR FREE.

IF YOU HAVE ANY FURTHER QUESTIONS, PLEASE CALL:

MARK SPENCER 703-308-4212

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 09/105, 117D

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1 Wrapped Nucleics The number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".

2 Wrapped Aminos The amino acid number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".

3 Incorrect Line Length The rules require that a line not exceed 72 characters in length. This includes spaces.

4 Misaligned Amino Acid Numbering The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs between the numbering. It is recommended to delete any tabs and use spacing between the numbers.

5 Non-ASCII This file was not saved in ASCII (DOS) text, as required by the Sequence Rules.
Please ensure your subsequent submission is saved in ASCII text so that it can be processed.

6 Variable Length Sequence(s) contain n's or Xaa's which represented more than one residue.
As per the rules, each n or Xaa can only represent a single residue.
Please present the maximum number of each residue having variable length and indicate in the (ix) feature section that some may be missing.

7 PatentIn ver. 2.0 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequence(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence.

8 Skipped Sequences (OLD RULES) Sequence(s) missing. If intentional, please use the following format for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X:
(I) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS")
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X:
This sequence is intentionally skipped

Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).

9 Skipped Sequences (NEW RULES) Sequence(s) missing. If intentional, please use the following format for each skipped sequence.
<210> sequence id number
<400> sequence id number
000

10 Use of n's or Xaa's (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

11 Use of <213>Organism (NEW RULES) Sequence(s) are missing this mandatory field or its response.

12 Use of <220>Feature (NEW RULES) Sequence(s) are missing the <220>Feature and associated headings.
Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial" or "Unknown"
Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of new Rules)

13 PatentIn ver. 2.0 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other means to copy file to floppy disk.

E. Stole

1653

PAGE: 1

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/105,117D

DATE: 08/03/1999
TIME: 16:21:55

Input Set: I105117D.RAW

This Raw Listing contains the General Information Section and up to first 5 pages.

Does Not Comply
Corrected Diskette Needed

1 <110> APPLICANT: Vrjic, Marina
2 Eggeling, Lothar
3 Sahm, Harmann
4 <120> TITLE OF INVENTION: PROCESS FOR THE MICROBIAL PRODUCTION OF AMINO ACIDS BY
5 BOOSTED ACTIVITY OF EXPORT CARRIERS
6 <130> FILE REFERENCE: fj122 seq
7 <140> CURRENT APPLICATION NUMBER: US/09/105,117D
8 <141> CURRENT FILING DATE: 1998-06-17
9 <150> EARLIER APPLICATION NUMBER: PCT/DE96/02485
10 <151> EARLIER FILING DATE: 1996-12-18
11 <150> EARLIER APPLICATION NUMBER: 195 48 222.0
12 <151> EARLIER FILING DATE: 1995-12-22
13 <160> NUMBER OF SEQ ID NOS: 3
14 <170> SOFTWARE: PatentIn Ver. 2.0 - beta
15 <210> SEQ ID NO 1
16 <211> LENGTH: 187
17 <212> TYPE: DNA
18 <213> ORGANISM: Corynebacterium glutamicum
19 <400> SEQUENCE: 1
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22 mvrgkdvdrd dgrvdvgvrr rvsagsagar rggwgttaamk agvddtmywr wrsrsartda 180
23 vvdaagr 187
24 <210> SEQ ID NO 2
25 <211> LENGTH: 2473
26 <212> TYPE: DNA
27 <213> ORGANISM: Corynebacterium glutamicum
28 <400> SEQUENCE: 2
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31 cagacactca gatcgatctc tagatctaag gtccgcggta gcaacggta ttagccaca 180
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33 ccaaaggccct tcttcagggg ttggttccgg agccgcattaa cgaggatggtt ttggaaggcg 300
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35 tgccagaact tcgtgttagaa accctggctt cgcattctgc ccgttagcgta gggtagatc 420
36 aaagggtatg tggtagatcc gtagggcggtt actccccca cgttaccggta caccgcgt 480
37 ccaagggtca agatgtatgaa gtgtaggcg gttccctaat cgaagtgcgg aatggcgagg 540
38 attttgtaga ggtgcggcgt cgttccattt acacacgcga agtagaaagg ttcgcgtcgca 600
39 ctcgcaacga ggtggggttc ttcatggag caacttgtgc cttcccttgg tacacctatc 660
40 gcttagacgc aactaccgct accaattgcc ctaaaagtgcgt tccgcaggta tatcaacgcg 720
41 aaatcaaaga cgaacgtcgt tttggtaaaa ggcgcgacga acgtttctt gaagtggcg 780
42 aagccaaacga aaccggccaa cccacgcgtt atgggtgtga gctgggtgca ctacgagctc 840
43 tcgaaattgc gcgactgagt ggcggctccc ctttacctt tcccgattcc tccgcggaaag 900
44 cttcgacgga agtagttact aactctcggtt tcacaggtca acttacccca agtatgcctt 960

See Item 10 on error
summary sheet

PAGE: 2

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/105,117DDATE: 08/03/1999
TIME: 16:21:55

Input Set: I105117D.RAW

45 catcaatgat tgagagcaa gtgtccagtt gaatgggtt catgaagcta tattaaacca 1020
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49 taatttctga cgtcttttg ttcatcgccg gcacccgtt cgttgcgtt ttgtccaatg 1260
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51 ccgtcatggc agcggaaagac gccatgacaa acaagggtgaa agcgcacag atcattgaag 1380
52 aaacagaacc aaccgtgccc gatgacacgc ctttggcggtt tcggcggtt gccactgaca 1440
53 cgcgcacccg ggtgcgggtt gaggtgagcg tcgataagca gcgggttgg gtaaagccca 1500
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67 gccaaggagg tgggttgcta attactacct tatcgaaccc actacttagt cttcgccctt 2340
68 cgggaggagg cggtaacttga gtcggccggag gcgcacactcg agacctggca tccttcttta 2400
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70 gtttcctcat aga 2473

71 <210> SEQ ID NO 3
72 <211> LENGTH: 153
73 <212> TYPE: DNA
74 <213> ORGANISM: Corynebacterium glutamicum *Item 10*
75 <400> SEQUENCE: 3

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W--> 77 tvddtggsav atdtrnrvr vsvdkrvwwk mmaavtwnnay davggvgayg dtgrwaagaa 120
W--> 78 aswvgaaaas rsskvwrwnv vvavvmtaak mmg 153

PAGE: 3

VERIFICATION SUMMARY
PATENT OF APPLICATION US/09/105,111

DATE: 08/03/1999

TIME: 16:21:55

Input Set: I105117D.RAW

Line ? Error/Warning

Original Text

20 W "N" or "Xaa" used: Feature required
21 W "N" or "Xaa" used: Feature required
76 W "N" or "Xaa" used: Feature required
77 W "N" or "Xaa" used: Feature required
78 W "N" or "Xaa" used: Feature required

mndtsdgsga sasssasrv kahhvgrvvs rtakatag
stwvnvaswg gattrdahts rrgdvgavtr anvagcvv
mvmmtggassg nvvkgkrgav vcsvdvgatgv dsnaavdm
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